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NAS WHITING FIELD
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LETTER TRANSMITTING THE NAVY ASSESSMENT AND CONTROL OF INSTALLATION POLLUTANTS VERIFICATION STUDY PLAN OF ACTION NAS WHITING FIELD FL
1/10/1986
NAS WHITING FIELD

DEPARTMENT OF THE NAVY
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
2155 EAGLE DR., P. O. BOX 10068
CHARLESTON, S. C. 29411-0068

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Code 1142/11

10 JAN 1986

Mr. John Ruddell
Florida Department of Environmental Regulation
Bureau of Operations
Twin Towers Buildilng
2600 Blair Stone Road
Tallahassee, FL 32301-8241

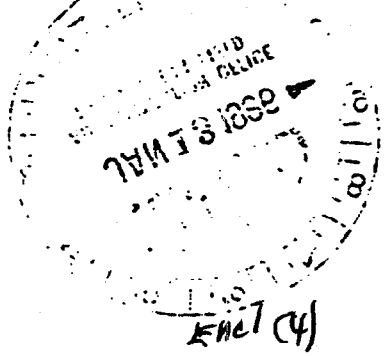
Subj: NAVY ASSESSMENT AND CONTROL OF INSTALLATION POLLUTANTS (NACIP) PROGRAM VERIFICATION STUDY PLAN OF ACTION, NAS WHITING FIELD, FL

Dear Mr. Ruddell:

As was requested during a meeting in Pensacola, FL on 17 December 1985 between Florida Department of Environmental Regulation (FDER) and Navy personnel, this letter is forwarded to provide your office copies of the NACIP Program Verification Study Plan of Action for NAS Whiting Field, Florida. It is also intended to explain the tracking of the Whiting Field NACIP sites.

The initial identification of past disposal sites on NAS Whiting Field was conducted by NAS Whiting Field personnel in 1983. These sites were identified to aid the groundwater consulting firm of Geraghty & Miller, Inc. in preparing a Groundwater Monitoring Plan for the NAS. This initial identification of sites yielded six landfill sites. While gathering information for the Groundwater Monitoring Plan, Geraghty & Miller personnel identified an additional landfill site, a battery acid disposal site, a waste solvent underground storage site, an AVGAS spill site, and two crash crew training areas which potentially could have been discharging to the groundwater. After a records search, personnel interviews and observing site conditions, Geraghty & Miller recommended that nine of the twelve sites identified be monitored in a Groundwater Monitoring Plan excluding the two crash crew training areas and the AVGAS spill site.

In a 25 October 1984 letter from Mr. Thomas Moody, FDER Northwest District, to Captain C. L. Lavinder, NAS Whiting Field, Mr. Moody explained that the Whiting Field Groundwater Monitoring Plan would be held in abeyance until an initial sampling and analysis at disposal sites was conducted. During a 20 November 1984 meeting in Pensacola, Florida between FDER and Navy personnel, it was confirmed that the FDER would hold the groundwater monitoring plan in abeyance until groundwater monitoring was conducted in the NACIP Verification Study.



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The first phase of the NACIP Program, the Initial Assessment Study (IAS), was completed at NAS Whiting Field in May 1985 by Envirodyne Engineers. This study which was intended only to identify past disposal sites, identified ten of the twelve sites in the groundwater monitoring plan plus six additional sites giving a total of sixteen sites. The two sites in the groundwater monitoring plan not identified in the IAS were the two crash crew training areas. The six additional sites identified in the IAS were one waste fuel disposal pit, one transformer oil disposal area, two AVGAS tank sludge disposal areas, one sanitary landfill and one general disposal area. The IAS recommended that further study be conducted at fifteen of the sixteen sites identified. It did not recommend further study at Site #2, the Northwest Open Disposal Area because of the nonhazardous nature of the materials disposed.

Geraghty & Miller was contracted by the Navy to conduct the Phase II NACIP work, Verification and Characterization Studies, for the recommended sites. The Verification Study Plan of Action was completed in November 1985 giving specific recommendations for verification field work at fifteen sites. This Plan of Action was informally distributed during the 17 December 1985 meeting and is formally provided to you as enclosure (1). From discussions held during the 17 December 1985 meeting, some additions to the Verification Plan of Action were suggested and they are contained in Table 1 as an addendum to the November 1985 Plan of Action.

The complete identification of past waste disposal sites at NAS Whiting Field has been conducted under various contracts over the past three years. Site numbers have not been consistent making it difficult to track a given site throughout the program. Because of this, Table 2 is provided to clarify the tracking process. The columns (verticle) show what sites were identified in a given study and the rows (horizontal) show the site names and numbers as they have changed from study to study. Figure 1 is provided as a reference figure for each site. Site numbers on Figure 1 are consistent with the numbering system used in the IAS and Verification Plan of Action.

We are prepared to begin Verification Field Work upon your review of the enclosed Plan of Action and addendum to the Plan of Action.

Should you have any questions or comments concerning this matter, please contact Mr. A. L. Chestnut at (803) 743-5510.

Sincerely,

D. R. SPELL
By direction

Encl:
(1) Plan of Action

Copy to:
NAS Whiting Field
Geraghty & Miller (Mr. P. Palmer)
FDER (Mr. Moody)
EIA Region IV (Mr. Linton)

TABLE 1. ADDITIONAL WORK TO BE PERFORMED IN VERIFICATION STUDY

SITE	ADDITIONAL WORK TO BE PERFORMED
Site # 1	Analyze both the groundwater and surface water samples for acid and base neutral organics and additional metals*
Site # 2	No further study recommended.
Site # 3	Analyze soil and groundwater samples for MIBK, As Ba Hg, Se, Ag and phenols.
Site # 4	Install one monitor well tapping the shallow surficial sands and analyze the groundwater for napthalene, EPA Method 602 and EDB.
Site # 5	Site being studed under Consent Order with FDER.
Site # 6	No changes
Site # 7	Install one monitor well tapping the shallow surficial sands and analyze the groundwater for EPA Method 602, EDB, lead, and napthalene.
Site # 8	Install one monitor well tapping the shallow surficial sands and analyze the groundwater for EPA Method 602, EDB, lead, and napthalene.
Site # 9	Install one monitor well tapping the shallow surficial sands and analyze the groundwater for EPA Method 602, EDB, lead, and napthalene.
Site # 10	Analyze the groundwater for acid and base neutral organics and additional metals.*
Site # 11	Analyze the groundwater for acid and base neutral organics and additional metals.*
Site # 12	Install one monitor well tapping the shallow surficial sands and analyze the groundwater for EPA Method 602, EDB, lead and napthalene.

SITE	ADDITIONAL WORK TO BE PERFORMED
Site # 13	Analyze the groundwater for acid and base neutral organics and additional metals.*
Site # 14	Analyze the groundwater for acid and base neutral organics and additional metals.*
Site # 15	Analyze the groundwater for acid and base neutral organics and additional metals.*
Site # 16	Analyze the groundwater for acid and base neutral organics and additional metals.*
Site # 17 Firefighter Training Area (North)	Install one monitor well tapping the shallow surficial sands and analyze the groundwater for base neutral organics, PCBs and metals.
Site # 18 Firefighter Training Area (South)	Install one monitor well tapping the shallow surficial sands and analyze the groundwater for base neutral organics, PCBs and metals.

* Additional metals include antimony, arsenic, berylium, mercury selenium, silver, and thalium.

TABLE 2. TRACKING OF NACIP SITES AT NAS WHITING FIELD, FLORIDA

Initial Assessment by Whiting Personnel in 1983	Hydrogeologic Assessment & Groundwater Monitoring Plan, US NAS Whiting Field, June 26, 1984	IAS of NAS Whiting Field May 1985	Verification Study Plan of Action November 1985 and Addendum to Plan of Action, Jan 1986 for NAS Whiting Field, FL
Landfill 1	Landfill 1	Site 12, Tetraethyl Lead Disposal Area	Site 12, Tetraethyl Lead Disposal Area
Landfill 2	Landfill 2	Site 11, Southeast Open Disposal Area (B)	Site 11, Southeast Open Disposal Area (B)
Landfill 3	Landfill 3	Site 10, Southeast Open Disposal Area (A)	Site 10, Southeast Open Disposal Area (A)
Landfill 4	Landfill 4	Site 15, Southwest Landfill	Site 15, Southwest Landfill
Landfill 5	Landfill 5	Site 16, Open Disposal and Burning Area	Site 16, Open Disposal and Burning Area
Landfill 6	Landfill 6	Site 13, Sanitary Landfill	Site 13, Sanitary Landfill
	Landfill 7	Site 2, Northwest Open Disposal Area *	Site 12, Northwest Open Disposal Area *
	Battery Shop	Site 5, Battery Acid Seepage Pit	Site 5, Battery Acid Seepage Pit
	Solvent Storage Site	Site 3, Underground Waste Solvent Storage Area	Site 3, Underground Waste Solvent Storage Area
	AVGAS Spill *	Site 8, AVGAS Fuel Spill Area	Site 8, AVGAS Fuel Spill Area

TABLE 2. TRACKING OF NACIP SITES AT NAS WHITING FIELD, FLORIDA

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	Crash Crew Training, South *		Site 18, Fire Fighter Training Area (South)
	Crash Crew Training, North *		Site 17, Fire Fighter Training Area (North)
		Site 1, Northwest Disposal Area	Site 1, Northwest Disposal Area
		Site 4, North AVGAS Tank Sludge Disposal Area	Site 4, North AVGAS Tank Sludge Disposal Area
		Site 6, South Transformer Oil Disposal Area	Site 6, South Transformer Oil Disposal Area
		Site 7, South AVGAS Tank Sludge Disposal Area	Site 7, South AVGAS Tank Sludge Disposal Area
		Site 9, Waste Fuel Disposal Pit	Site 9, Waste Fuel Disposal Pit
		Site 14, Short Term Sanitary Landfill	Site 14, Short Term Sanitary Landfill

* Study recommended no further work for site

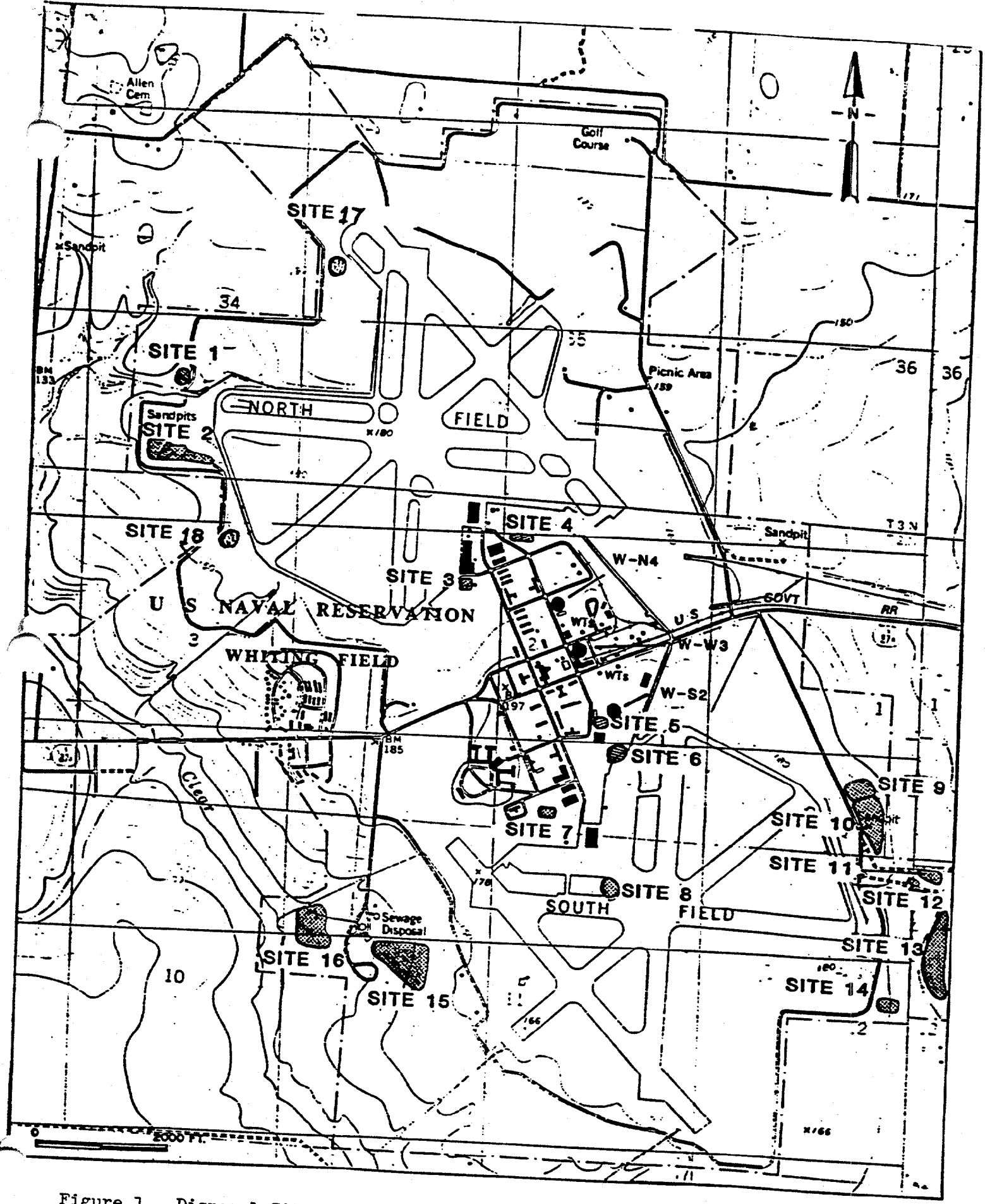

Figure 1. Disposal Sites At NAS Whiting Field Florida